NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NO: NC/QC/YPD/2020-21/SB/W5-1

Date: 04-06-2021

To,
The Executive Engineer,
Yelahanka Project Division
Bangalore.

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

Name of Work:Developments of roads and drains at Kogilu Layout Main and Cross Roads ward no.05 (Jakkur) Byatarayanapura Sub division

Item No	Description of work	Unit	Qty	Remarks
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods	Cum	3463.88	Work done upto the Billed Quantity and the Quality is Satisfactory
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation	Cum	452.61	Work done upto the Billed Quantity and the Quality is Satisfactory
3	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine	Cum	20.97	Work done upto the Billed Quantity and the Quality is Satisfactory
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the	Tn	53.86	Work done upto the Billed Quantity and the Quality is Satisfactory
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum	Cum	876.24	Work done upto the Billed Quantity and the Quality is Satisfactory
6	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and	Sqm	2322.32	Work done upto the Billed Quantity and the Quality is Satisfactory
7	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery,	Sqm	74.40	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	Sqm	8.22	Work done upto the Billed Quantity and the Quality is Satisfactory
8	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing	Nos	2330.00	Work done upto the Billed Quantity and the Quality is Satisfactory
9	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	366.91	Work done upto the Billed Quantity and the Quality is Satisfactory

Asst. Executive Engineer
Yelahanka Division
BBMP Yelahanka Zone
Bangalore - 92

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Item No	Description of work	Unit	Qty	Remarks
10	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections,	Cum	2102.44	Work done upto the Billed Quantity and the Quality is Satisfactory
11	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.	Sqm	4416.07	Work done upto the Billed Quantity and the Quality is Satisfactory
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed	Cum	916.75	Work done upto the Billed Quantity and the Quality is Satisfactory
13	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant	Cum	1375.12	Work done upto the Billed Quantity and the Quality is Satisfactory
14	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm	Sqm	6111.66	Work done upto the Billed Quantity and the Quality is Satisfactory
15	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM	Sqm	3382.57	Work done upto the Billed Quantity and the Quality is Satisfactory
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road	Sqm	14572.39	Work done upto the Billed Quantity and the Quality is Satisfactory
17	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the	Cum	474.83	Work done upto the Billed Quantity and the Quality is Satisfactory
18	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver	Cum	379.80	Work done upto the Billed Quantity and the Quality is Satisfactory
19	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-	Cum	219.30	Work done upto the Billed Quantity and the Quality is Satisfactory
20	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, Thickness as per design, over a prepared sub base with 53 grade cement or any other type as per clause 1501.2.2 M30 (Grade)	Cum	219.30	Work done upto the Billed Quantity and the Quality is Satisfactory
21	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick	Sqm	343.34	Work done upto the Billed Quantity and the Quality is Satisfactory

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill

Thanking you,

With Regards,

For Newzen Consultants Bangalore

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Date: 04-06-20;

To,
The Executive Engineer,
Yelahanka Project Division
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Name of Work:Developments of roads and drains at Kogilu Layout Main and Cross Roads ward no.05 (Jakkur) Byatarayanapura Sub division

Item No	Description of work	Unit	Qty	No of Samples Tested	Frequency	Results Standards
1	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and	Cum	452.57	5	Per 100 cum	Meets Morth V Revision Standards
2	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and	Cum	20.97	1	Per 50 cum	Meets Morth V Revision Standards
3	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking,	Tn	53.85	2	Per each dia	Meets Morth V Revision Standards
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs.	Cum	876.11	9	Per 100 cum	Meets Morth V Revision Standards
5	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone	Cum	916.67	2	Per 400 cum	Meets Morth V Revision Standards
6	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet	Cum	1375.00	7	Per 200 cum	Meets Morth V Revision Standards
7	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading,	Cum	474.71	10	Per 50 cum	Meets Morth V Revision Standards
8	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading,	Cum	379.76	8	Per 50 cum	Meets Morth V Revision Standards
9	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size	Cum	219.28	3	Per 100 cum	Meets Morth V Revision Standards

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Item No	Description of work	Unit	Qty	No of Samples Tested	Frequency	Results Standards
10	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, Thickness as per design, over a	Cum	219.28	3	Per 100 cum	Meets MoRTH V Revision Standards

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill. The all the samples satisfies the standards requirements as per MORTH V Revision 2013.

Thanking you,

For Newzen Consultants Bangalore

NEWZEN CONSULTANT BANGALORE

Asst. Executive Engineer
Project Division
Yelahanka Zone
CDWP, Bangalore - 92

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